In the Claims:

This listing of claims replaces all prior versions and listing of claims in the application.

Claims 1-15 (canceled).

16. (currently amended) A method of protecting an integrated circuit against piracy comprising:

detecting the state of at least one timer before a predetermined processing sequence performed by the integrated circuit;

not activated, performing the processing sequence and activating the at least one timer; and

disabling-the integrated circuit if the at least one timer is activated, disabling the integrated circuit and preventing the processing sequence from being performed.

- 17. (currently amended) A method according to Claim 16, further comprising deactivating the <u>at least one</u> timer if the predetermined processing sequence has been performed by the integrated circuit.
- 18. (currently amended) A method according to Claim 16, further comprising:

modifying the value of a counter within a protected area in a non-volatile memory if it is detected that the <u>at</u> <u>least one</u> timer is activated;

comparing the counted value with a predefined threshold; and

performing a process for protecting confidential data stored within memories in the integrated circuit if the counted value reaches the predefined threshold.

- 19. (Previously presented) A method according to Claim 18, wherein the protection process comprises erasing the confidential data from the memories in the integrated circuit.
- 20. (Previously presented) A method according to Claim 18, wherein the protection process comprises erasing a secret code stored within a memory in the integrated circuit.
- 21. (Previously presented) A method according to Claim 18, wherein the protection process comprises erasing all memories in the integrated circuit.
- 22. (Previously presented) A method according to Claim 16, wherein the at least one timer comprises a plurality of timers each being associated with a respective authentication calculation of a sequence of a predefined number of calculations; and further comprising:

detecting the state of a respective timer before performing an associated calculation,

activating the respective timer if it is not activated; and

disabling the integrated circuit if the respective timer is activated.

23. (currently amended) A method of protecting an integrated circuit (IC) against tampering, the IC having a central processing unit (CPU), the method comprising:

providing at least one timer associated with the CPU;

detecting a state of the at least one timer before beginning an operating session of the integrated circuit; activating the at least one timer if it is not activated and beginning the operating session; and disabling the integrated circuit if the at least one timer is activated.

- 24. (currently amended) A method according to Claim 23, further comprising deactivating the <u>at least one</u> timer if the operating session is performed by the integrated circuit.
- 25. (currently amended) A method according to Claim 23, further comprising:

modifying the value of a counter within a protected area in a non-volatile memory if it is detected that the <u>at</u> <u>least one</u> timer is activated;

comparing the counted value with a predefined threshold; and

performing a process for protecting confidential data stored within memories in the integrated circuit if the counted value reaches the predefined threshold.

- 26. (Previously presented) A method according to Claim 25, wherein the protection process comprises erasing the confidential data from the memories in the integrated circuit.
- 27. (Previously presented) A method according to Claim 25, wherein the protection process comprises erasing a secret code stored within a memory in the integrated circuit.

- 28. (Previously presented) A method according to Claim 25, wherein the protection process comprises erasing all memories in the integrated circuit.
- 29. (Previously presented) A method according to Claim 23, wherein the at least one timer comprises a plurality of timers each being associated with a respective authentication calculation of a sequence of a predefined number of calculations; and further comprising:

detecting the state of a respective timer before performing an associated calculation,

activating the respective timer if it is not activated; and

disabling the integrated circuit if the respective timer is activated.

30. (Previously presented) An integrated circuit protected against piracy, comprising:

at least one timer circuit comprising

a timer designed to remain in an activated state as long as the circuit is powered-on and for a predetermined duration if the circuit is powered-off,

means for activating the timer,
means for deactivating the timer, and
means for detecting the activated or
deactivated state of the timer; and

means for reading the timer state, and for disabling the integrated circuit at predefined times if the timer is in the activated state.

- 31. (Previously presented) An integrated circuit according to Claim 30, wherein the deactivating means deactivates the timer after normal execution of a predetermined processing sequence.
- 32. (Previously presented) An integrated circuit according to Claim 30, wherein each timer circuit further comprises:

means for detecting a power supply; and
means for allowing the timer to be activated or
deactivated when the power supply is detected during a
predetermined time period.

- 33. (Previously presented) An integrated circuit according to Claim 30, wherein the at least one timer circuit comprises a plurality of timer circuits, each timer circuit being associated with an authentication calculation performed by the integrated circuit; and further comprising means for determining, before each calculation, the state of the timer associated with the calculation, activating the associated timer if it is not activated, and disabling the integrated circuit if the associated timer is activated.
- 34. (Previously presented) An integrated circuit according to Claim 30, wherein the at least one timer circuit comprises:
 - a capacitor;
- a discharge circuit associated with the capacitor and designed so that the capacitor slowly discharges when the device is powered-off;
 - a circuit for detecting capacitor charging; means for controlling capacitor charging; and

means for controlling capacitor discharging.

- 35. (Previously presented) An integrated circuit according to Claim 34, wherein the means for controlling capacitor discharging is designed for discharging the capacitor more rapidly than when the device is powered-off.
- 36. (Previously presented) An integrated circuit according to Claim 34, wherein the at least one timer circuit further comprises a MOS transistor associated with the capacitor so that it is only discharged by a leakage current when the integrated circuit is powered-off.
- 37. (Previously presented) An integrated circuit according to Claim 30, further comprising a test circuit for reducing the predetermined duration of the timer during a testing procedure.
- 38. (Previously presented) An integrated circuit (IC) comprising:
 - a central processing unit (CPU);
- at least one timer circuit for protecting the IC against piracy and comprising
 - a timer which is activated when the IC is powered-on and for a predetermined duration when the IC is powered-off,
 - a timer activating circuit for activating the timer,
 - a timer deactivating circuit for deactivating the timer, and
 - a detection circuit for detecting the state of the timer; and

an IC disabling circuit for disabling the IC at predefined times if the timer is in the activated state.

- 39. (Previously presented) An integrated circuit according to Claim 38, wherein the deactivating circuit deactivates the timer after normal execution of a predetermined processing sequence.
- 40. (Previously presented) An integrated circuit according to Claim 38, wherein each timer circuit further comprises:
- a power supply detection circuit for detecting a power supply; and
- a timer control device for allowing the timer to be activated or deactivated when the power supply is detected during a predetermined time period.
- 41. (Previously presented) An integrated circuit according to Claim 38, wherein the at least one timer circuit comprises a plurality of timer circuits each being associated with an authentication calculation performed by the IC.
- 42. (Previously presented) An integrated circuit according to Claim 38, wherein the at least one timer circuit comprises:
 - a capacitor;
- a discharge circuit associated with the capacitor and designed to discharge over the predetermined duration when the IC is powered-off;
 - a circuit for detecting capacitor charging;
 - a capacitor charging control circuit; and
 - a capacitor discharging control circuit.

- 43. (Previously presented) An integrated circuit according to Claim 42, wherein the capacitor discharging control circuit discharges the capacitor faster than when the IC is powered-off.
- 44. (Previously presented) An integrated circuit according to Claim 42, wherein the at least one timer circuit further comprises a MOS transistor associated with the capacitor so that it is only discharged by a leakage current when the IC is powered-off.
- 45. (Previously presented) An integrated circuit according to Claim 38, further comprising a test circuit for reducing the predetermined duration of the timer during a testing procedure.